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1: NM\_015259. Homo sapiens B7-l...[gi:27477038]

Links

LOCUS NM\_015259 1572 bp mRNA linear PRI 05-OCT-2003

DEFINITION Homo sapiens B7-like protein (B7H2), mRNA.

ACCESSION NM\_015259

VERSION NM\_015259.1 GI:27477038

KEYWORDS

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 1572)

AUTHORS Chen,X.L., Cao,X.D., Kang,A.J., Wang,K.M., Su,B.S. and Wang,Y.L.

TITLE In situ expression and significance of B7 costimulatory molecules within tissues of human gastric carcinoma

JOURNAL World J. Gastroenterol. 9 (6), 1370-1373 (2003)

MEDLINE 22685067

PUBMED 12800259

REMARK GeneRIF: ICOS-B7H costimulatory pathway may be involved in the negative regulation of cell-mediated immune responses.

REFERENCE 2 (bases 1 to 1572)

AUTHORS Kurosawa,S., Myers,A.C., Chen,L., Wang,S., Ni,J., Plitt,J.R., Heller,N.M., Bochner,B.S. and Schleimer,R.P.

TITLE Expression of the costimulatory molecule B7-H2 (inducible costimulator ligand) by human airway epithelial cells

JOURNAL Am. J. Respir. Cell Mol. Biol. 28 (5), 563-573 (2003)

MEDLINE 22591932

PUBMED 12707012

REMARK GeneRIF: These results demonstrate that airway epithelial cells express the costimulatory molecule B7-H2, and suggest the possibility that B7-H2 may participate in antigen presentation by epithelial cells.

REFERENCE 3 (bases 1 to 1572)

AUTHORS Akbari,O., Freeman,G.J., Meyer,E.H., Greenfield,E.A., Chang,T.T., Sharpe,A.H., Berry,G., DeKruyff,R.H. and Umetsu,D.T.

TITLE Antigen-specific regulatory T cells develop via the ICOS-ICOS-ligand pathway and inhibit allergen-induced airway hyperreactivity

JOURNAL Nat. Med. 8 (9), 1024-1032 (2002)

MEDLINE 22194852

PUBMED 12145647

REFERENCE 4 (bases 1 to 1572)

AUTHORS Flesch,I.E.

TITLE Inducible costimulator-ligand (ICOS-L)

JOURNAL J. Biol. Regul. Homeost. Agents 16 (3), 217-219 (2002)

MEDLINE 22343420

PUBMED 12456022

REMARK GeneRIF: ICOS-L is a ligand for ICOS and plays an important functional role in the activation of memory T cells by endothelial

Figure 1 (1 of 4)

REFERENCE 5 (bases 1 to 1572)  
AUTHORS Khayyamian, S., Hutloff, A., Buchner, K., Grafe, M., Henn, V., Kroccek, R.A. and Mages, H.W.  
TITLE ICOS-ligand, expressed on human endothelial cells, costimulates Th1 and Th2 cytokine secretion by memory CD4+ T cells  
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (9), 6198-6203 (2002)  
MEDLINE 21980676  
PUBMED 11983910

REFERENCE 6 (bases 1 to 1572)  
AUTHORS Sperling, A.I. and Bluestone, J.A.  
TITLE ICOS costimulation: It's not just for TH2 cells anymore  
JOURNAL Nat. Immunol. 2 (7), 573-574 (2001)  
MEDLINE 21322735  
PUBMED 11429535

REFERENCE 7 (bases 1 to 1572)  
AUTHORS Wang, S., Zhu, G., Chapoval, A.I., Dong, H., Tamada, K., Ni, J. and Chen, L.  
TITLE Costimulation of T cells by B7-H2, a B7-like molecule that binds ICOS  
JOURNAL Blood 96 (8), 2808-2813 (2000)  
MEDLINE 20477846  
PUBMED 11023515

REFERENCE 8 (bases 1 to 1572)  
AUTHORS Yoshinaga, S.K., Zhang, M., Pistillo, J., Horan, T., Khare, S.D., Miner, K., Sonnenberg, M., Boone, T., Brankow, D., Dai, T., Delaney, J., Han, H., Hui, A., Kohno, T., Manoukian, R., Whoriskey, J.S. and Coccia, M.A.  
TITLE Characterization of a new human B7-related protein: B7RP-1 is the ligand to the co-stimulatory protein ICOS  
JOURNAL Int. Immunol. 12 (10), 1439-1447 (2000)  
MEDLINE 20465019  
PUBMED 11007762

REFERENCE 9 (bases 1 to 1572)  
AUTHORS Ling, V., Wu, P.W., Finnerty, H.F., Bean, K.M., Spaulding, V., Fouser, L.A., Leonard, J.P., Hunter, S.E., Zollner, R., Thomas, J.L., Miyashiro, J.S., Jacobs, K.A. and Collins, M.  
TITLE Cutting edge: identification of GL50, a novel B7-like protein that functionally binds to ICOS receptor  
JOURNAL J. Immunol. 164 (4), 1653-1657 (2000)  
MEDLINE 20126021  
PUBMED 10657606

COMMENT PROVISIONAL REFSEQ: This record has not yet been subject to final NCBI review. The reference sequence was derived from AF289028.1.

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Figure 1 (2 of 4)

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## ORIGIN

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Figure 1 (3 of 4)

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